

TOSHIBA PORTEGE 3010CT Specifications

PART# PAP301U-T2W5

PROCESSOR		Intel Pentium® 266Mhz (2.0V/2.5V) w/MMX Technology
Integrated Coprocessor	Yes	
Processor Cache	32KB: (16KB code; 16KB data)	
External data bus width	64 bit	
External data/address bus speed	66 MHz	
LEVEL 2 (L2) CACHE	Yes: 512KB	
Data Memory Type	1 Mbit Pipelined Burst Synchronous SRAM (2.5V)	
Data Bus Width	64 Bit	
Access Time	8 ns	
Local Bus Clock Speed	66 Mhz	
SYSTEM ARCHITECTURE	<u>Connecting Devices:</u>	
PCI (V.2.1) Bus: (32-bit, 33 MHz)	PC Card Slots; Video chipset; USB port	
ISA Bus: (16-bit, 8mhz)	FDD; HDD; CD-ROM; BIOS ROM, KBC, Sound chip	
MEMORY: 64Mbit EDO DRAM, 3.3V		
Standard	32 MB	
Maximum	96 MB	
Speed	60ns	
Hyper Page mode memory access	Yes	
Data width	64 bit	
Local Bus Clock Speed	66 MHz	
BIOS (4Mbit FLASH EPROM)	Yes: 512KB	
Supported standards	APM (V.1.2); ACPI; PnP 1.0a ;VESA (V.2.0); DPMS, DCC, DMI (V.2.0)	
DISPLAY		
Type	10.4" Diagonal TFT Active Matrix Color, 800 x 600	
Dot Pitch	0.19mm x .19mm	
Contrast Ratio	100:1 (Min)	
VIDEO		
Memory: EDO-DRAM	2MB (<i>integrated into Controller chip</i>)	
Speed	50ns	
Hyper Page mode support	Yes	
Controller Chip	NeoMagic (2160) w/128-bit Data Bus Width	
PCI Bus Architecture w/burst mode	Yes: 32-bit, 33 MHz	
Graphics Accelerator:	Yes: supports BiTBLT, H/W Cursor, Scaling	
Digital Video Accelerator:	Yes	
YUV-to-RGB color space conversion	Yes	
INTERNAL SUPPORT		
Full Screen (Using Stretch Utility)	640 x 480 x 16.7M colors	
Full Screen	800 x 600 x 16.7M colors	
Virtual Display mode	1024 x 768 x 64K colors	
EXTERNAL SUPPORT	<u>Colors</u>	<u>Vert. Refresh Rate (Non-Interlaced)</u>
640 x 480	16.7M colors	85 Hz
800 x 600	16.7M colors	85 Hz
1024 x 768	64K colors	75 Hz (interlace)

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STORAGE	
HDD (2.5" Enhanced IDE)	4.3 billion bytes (13msec)
Height	8.45mm
Buffer	512KB
Burst Data Transfer Rate	PIO Mode 4
FDD (3.5" 1.44MB) -- External	Bundled
CD-ROM (Optional)	
5.25" 20X Max. speed	External using PC Card
KEYBOARD	
84 keys with Windows 95/98 support	Yes (full-size key caps; 2mm Travel)
Key Pitch	18mm
12 dedicated function keys	Yes
Cursor control (8 Keys, Inverted "T")	Yes
Numeric keypad (Integrated Overlay)	Yes
Integrated Pointing Device	AccuPoint™
EXPANSION SLOTS	
Two PC Card Slots	Yes: 1-right side & 1-left side
32-bit, 3.3V PC CardBus Support	Yes
16-bit, 5.0V PC Card Support	Yes
Internal Memory Slot (One only)	Yes
EXPANSION PORTS	
One Power-in Jack	Yes: Rear of unit
One 132-pin expansion bus	Yes: Rear of unit
One Universal Serial Bus (USB) port	Yes: Right side (Supports 127 devices. Throughput Rate: 12Mbits/sec.)
One Fast Infrared port (IrDA2.0: 4Mbps)	Yes: Right side
One External Floppy Drive port	Yes: Right side
Microphone (3.5mm mini jack, monoaural)	Yes: Right side
One Headphone (3.5mm mini jack, stereo)	Yes: Right side
One Noteworthy security lock port	Yes: Right side
I/O BAR (Port Expander)	(1) Standard: Connects to 132-pin expansion bus -- rear of unit
One 15-Pin RGB (SVGA video)	Yes
One 9-Pin Serial (16550 UART compliant)	Yes
One 25-Pin Parallel (8 bit ECP)	Yes
One (PS/2) 101 Keyboard/Mouse port	Yes: Supports use of Y-cable
Portege "Mini" I/O BAR Adapter	Connects to 132-pin expansion bus -- rear of unit
One (PS/2) 101 Keyboard/Mouse port	Yes: Supports use of Y-cable
One 15-Pin RGB (SVGA video)	Yes
POWER	
Autosensing External AC Adapter: PA2501U	3.94" L x 1.97" W x .98" D --- .46 lbs
Input (Voltage/Frequency)	100-240V; 50-60Hz
Output (Voltage/Amps)	15 VDC; 2.0A
Power Output (Watts)	30W
Battery Type: Li-Ion	<u>High Capacity Battery (Bundled)</u>
Part Number	PA2458UR
Capacity	10.8V, 2600mAh
Battery Life	Up to 3.8 hrs
Recharge Time (Computer Off/On)	6 hrs./12 hrs.
Power Saving Features	APM v.1.2 BIOS, Processing speed change, Auto Resume, Hibernation, LCD Brightness switch (software)

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PC Card MODEM (Bundled) -- (All Models)		3Com-Noteworothy 56K PC Card Modem (XJ1560)
Data support		
Protocols supported		Bell-103 & 212A, V.21, V.23, V.22, V.22bis, V.32, V.32bis, V.34, V.34+, V.90
Error correction		V.42
Data compression		V.42 bis
Fax support		Group 3, EIA Class 1, EIA Class 2.0
Protocols supported		V.17, V.21 Channel 2, V.27 ter, V.29
Features		X-Jack Connector, Flash DSP/Flash ROM, Digital Line Guard, Hot Swapping, Intelligent Auto Install
SOUND SYSTEM		
Chipsets:		Yamaha OPL3-SA3
16-bit stereo audio playback/record		Yes
Maximum Sampling Rate		44.1 kHz
FM Synthesis support		Yes
Full duplex support		Yes
Built-in Speaker		Yes (monaural, located on left side under palm rest)
Built in Microphone		Yes (monaural, located on right side)
3D Sound support		Yes: when connected to stereo speakers
Sound formats supported:		SoundBlaster Pro™ V3.01, MIDI, Windows Sound System V2.0
DIMENSIONS		
WEIGHT		
BUNDLED SOFTWARE		
Windows®95, Intel LANDesk Client Manager 3.3, Intel Indel Video Interactive, Mediomatics Arcade Pak, Microsoft Internet Explorer v.3.02, Puma Intellisync 97, America Online, Ring Zero Ring Central, Yamaha Station, Toshiba Custome Utilities, Online Documentation		
CD's Included: Configuration Builder CD		
SECURITY	Miscellaneous	Screen blank (by Hotkey), keyboard (by Hotkey)
	Lock mechanisms	Noteworthy cable lock
	Password security	Power-on & supervisor
WARRANTY		
1 YR Parts & Labor (1 YR Battery)		
ENVIRONMENTAL SPECIFICATIONS		
Operating		
Temperature	41°F (5°C) to 95°F (35°C)	-4°F (-20°C) to 149°F (65°C)
Thermal Gradient: 20° C per hour (max.)	N/A	N/A
Relative Humidity	20% to 80% non-condensing	10% to 90% non-condensing
Altitude:	-197 to 9,843ft. (-60 to 3000m)	-197 to 32,808ft. (-60 to 10,000m)
Shock:	10G; 1.5G w/CD-ROM installed	60G; 50G w/CD-ROM installed
Vibration:	0.5G; 0.25G w/CD-ROM installed	1G; 1G w/CD-ROM installed